

CRYPTOGAMS OF THE 1948 ARCHBOLD CAPE YORK
(QUEENSLAND) EXPEDITION

P. BIBBY

MUSCI *

LEMBOPHYLLACEAE

Camptochaete brisbanica (C. M.) Broth., Proc. Linn. Soc. N. S. W. 43: 561. 1916.

QUEENSLAND: Mt. Finnegan, *Brass* 20058, 20155, Sept. 1948, alt. 850 m., on branches in rain-forest undergrowth; Mossman River Gorge, *Brass* 18173, Mar. 1948, alt. 150 m., plentiful on granite rocks in rain-forest.

Not compared with the type, but agreeing well with material so named in the National Herbarium of Victoria.

HOOKERIACEAE

Eriopus sp. (aff. *E. apiculatus* [Hk. f. & W.] Mitt.).

QUEENSLAND: Mt. Finnegan, *Brass* 20097, Sept. 1948, alt. 1040 m., trunk of a tree in high mountain forest.

Very close to and probably identical with *E. apiculatus* (Hk. f. & W.) Mitt.

HEPATICAЕ

PTILIDIACEAE

Mastigophora Nees

Mastigophora diclados (Endl.) Steph., Spec. Hep. 4: 38. 1909.

QUEENSLAND: Leo Creek, Upper Nesbit River, *Brass* 19957, Aug. 1948, alt. 420 m., cushioned on trees on bank of creek in rain-forest.

LEPIDOZIACEAE

Bazzania S. F. Gray

Bazzania adnexa (L. & L.) Mont., Voy. au Pole Sud. 243. 1842-45.

QUEENSLAND: Lamb's Head, Lamb Range, *Brass* 18227, Mar. 1948, alt. 1000-1100 m., sunny rocks in rain-forest; Mt. Bellenden-Ker, summit of south peak, *Brass* 18288, Apr. 1948, alt. 1550 m., on trees of low forest.

Bazzania Novae-Zelandiae (Mitt.) Kuntze, Gen. Plant. 832. 1901.

* Determined by J. H. Willis.

QUEENSLAND: Mt. Finnegan, *Brass 20144*, Sept. 1948, alt. 1140 m., on bark of a tree in high mountain scrub.

Lepidozia Dumort.

Lepidozia capilligera (Schwaegr.) Lindenb., Syn. Hep. 204. 1844.

QUEENSLAND: Iron Range, *Brass 19051*, June 1948, alt. 20 m., on a decaying log in floodplain in rain-forest.

HARPANTHACEAE

Chiloscyphus Corda

Chiloscyphus argutus (R. B. & N.) Nees, Syn. Hep. 183. 1845.

QUEENSLAND: Iron Range, *Brass 19052*, June 1948, alt. 20 m., on decaying logs in floodplain rain-forest.

JUNGERMANNIACEAE

Anastrophyllum (Spruce) Steph.

Anastrophyllum piligerum (Nees) Spruce, Jour. Bot. 14: 33. 1876.

QUEENSLAND: Mt. Bellenden-Ker, summit of south peak, *Brass 18286*, Apr. 1948, alt. 1550 m., abundant on trees of low forest.

Chandonanthus Mitt.

Chandonanthus hirtellus (Web.) Steph., Spec. Hep. 3: 643. 1909.

QUEENSLAND: Mt. Bellenden-Ker, summit of south peak, *Brass 18285*, Apr. 1948, alt. 1550 m., on a tree in low forest.

PLAGIOCHILACEAE

Plagiochila Dumort.

Plagiochila abietine* (Nees.) Lindenb., Mon. Hep. Gen. Plag. 134. 1844.

QUEENSLAND: Mt. Finnegan, *Brass 20141*, Sept. 1948, alt. 1140 m., shrub-beries of the summit.

This constitutes the first record of this species on the Australian mainland.

Plagiochilon Hattori

Plagiochilon oppositus (R. B. & N.) Hattori, Biosphaera 1: 7. 1947.

Plagiochila opposita (R. B. & N.) Dum., Rec. d'obs. 15. 1835.

QUEENSLAND: Mt. Finnegan, growing with *Sticta*, *Brass 20095*, Sept. 1948, alt. 1100 m., on mossy rocks in high mountain.

Not previously reported on the Australian mainland.

* Determined by Th. Herzog, Jena.

SCHISTOCHILACEAE

Schistochila Dumort.

Schistochila cristata Steph., Hedw. 28: 274. 1889.

QUEENSLAND: Mt. Finnegan, *Brass 20089*, Sept. 1948, alt. 1100 m., very abundant on rocks (granite) in high mountain forest.

RADULACEAE

Radula Dumort.

Radula acutiloba Steph., Hedw. 28: 271. 1889.

QUEENSLAND: Leo Creek, Upper Nesbit River, *Brass 19954*, Aug. 1948, alt. 420 m., on dead twigs in rain-forest undergrowth.

Radula buccinifera (Hk. f & Tayl.) Tayl., Syn. Hep. 261. 1845.

QUEENSLAND: Mt. Finnegan, *Brass 20094*, Sept. 1948, alt. 1100 m., on leaves and branchlets of undergrowth in high mountain forest.

Radula reflexa Mont., Ann. Sc. Nat. 19: 255. 1843.

QUEENSLAND: Mossman River Gorge, *Brass 18177*, Mar. 1948, alt. 150 m., moist shady granite rocks in rain-forest.

PLEUROZIACEAE

Pleurozia Dumort.

Pleurozia articulata (Linb.) Schiffn., Engl. Pflanzenfam. I. 3: 115. 1895.

QUEENSLAND: Mt. Finnegan, *Brass 20142*, Sept. 1948, alt. 1140 m., on living twigs in shrubberies of summit; Mt. Bellenden-Ker, summit of south peak, *Brass 18287*, Apr. 1948, alt. 1550 m., hanging from dead twigs in low forest.

FRULLANIACEAE

Frullania Raddi

Frullania Johnsonii Steph., Hedw. 33: 163. 1894.

QUEENSLAND: Mt. Bellenden-Ker, summit of south peak, *Brass 18289*, Apr. 1948, alt. 1550 m., on dead twigs.

Frullania sp.

QUEENSLAND: Summit of Mt. Tozer, Tozer Range, *Brass 19497*, July 1948, alt. 540 m., living branches of *Casuarina* in scrub of summit.

LEJEUNEACEAE

Drepanolejeunea (Spruce) Schiffn.

Drepanolejeunea Micholitzii Steph. var. **genuina** Herz. Ann. Bryol. 7: 80. 1934.

QUEENSLAND: Mt. Finnegan, *Brass 20098*, Sept. 1948, alt. 1040 m., on leaves of undergrowth in high mountain forest.

Drepanolejeunea obliqua Steph., Hedw. 35: 82. 1896.

QUEENSLAND: Mt. Finnegan, associated with *Brass 20144*, Sept. 1948, alt. 1140 m., on bark of a tree in high mountain scrub.

Drepanolejeunea tenuis (Nees) Schiffn., Consp. Hep. Arch. Ind. 280. 1898.

QUEENSLAND: Lamb's Head, Lamb Range, associated with *Brass 18227*, Mar. 1948, alt. 1000–1100 m., sunny rocks in rain-forest.

Physocolea Spruce

Physocolea trichomanis (Gott.) Steph., Spec. Hep. 5: 912. 1916.

Cololejeunea trichomanis (Gott.) Steph., Hedw. 28: 168. 1889.

QUEENSLAND: Mt. Finnegan, west slopes, *Brass 20054*, Sept. 1948, alt. 850 m., on leaves of an undergrowth tree in rain-forest.

LICHENES

SPHAEROPHORACEAE

Sphaerophorus Pers.

Sphaerophorus compressus Ach., Meth. Lich. 135. 1803.

QUEENSLAND: Lamb's Head, Lamb Range, *Brass 18234*, Mar. 1948, alt. 950–1000 m., sunny rocks in rain-forest.

COENOGONIACEAE

Coenogonium Ehrenh.

Coenogonium implexum Nyl., Ann. Sc. Nat. 16: 92. 1861.

QUEENSLAND: Speewah, Upper Clohesy River, *Brass 18209*, Mar. 1948, alt. 450 m., trunk of a tree in rain-forest.

CLADONIACEAE

Cladonia Hill.

Cladonia aggregata (Sw.) Ach., Vet. Acad. Nya Handl. 16: 68. 1795.

QUEENSLAND: Lamb's Head, Lamb Range, *Brass 18232*, Mar. 1948, alt. 950–1000 m., sunny rocks in rain-forest; summit of Mt. Tozer, Tozer Range, *Brass 19495*, July 1948, alt. 540 m., in shelter of boulders on exposed granite rock faces; Mt. Bellenden-Ker, summit of south peak, *Brass 18290*, April 1948, alt. 1550 m., on peaty ground of a small clearing.

Cladonia verticillata Hoffm. var. **cervicornis** (Ach.) Flot., Linnaea 22: 380. 1849.

QUEENSLAND: Lamb's Head, Lamb Range, *Brass 18233*, Mar. 1948, alt. 950–1000 m., sunny rocks in rain-forest.

PANNARIACEAE

Pannaria Del.

Pannaria myrioloba Muell.-Arg., Bull. d'Herb. Boiss. 4: 92. 1896.

QUEENSLAND: Mt. Bellenden-Ker, summit of south peak, *Brass 18291*, April 1948, alt. 1550 m., on bark of living tree in low forest; Mt. Bellenden-Ker, summit of south peak, *Brass 18292*, April 1948, alt. 1550 m., on dead twigs in low forest.

Pannaria sublurida Nyl., Ann. Sc. Nat. 11: 256. 1859.

QUEENSLAND: Mt. Bellenden-Ker, summit of south peak, *Brass 18293*, April 1948, alt. 1550 m., growing on bryophytes.

COLLEMACEAE

Leptogium S. F. Gray

Leptogium phyllocarpum (Pers.) Mont. var. *isidiosum* Nyl., Syn. Meth. 1: 130. 1858.

QUEENSLAND: Mossman River Gorge, *Brass 18168*, Mar. 1948, alt. 150 m., on rocks on edge of a rain-forest stream.

STICTACEAE

Sticta Schreb.

Sticta aurata Ach., Meth. Lich. 277. 1803.

QUEENSLAND: Mt. Finnegan, *Brass 20359*, Sept. 1948, alt. 910 m., on living bark of an exposed branch in high mountain forest.

Sticta Sayeri Muell.-Arg., Flora 71: 23. 1888.

QUEENSLAND: Lamb's Head, Lamb Range, *Brass 18235*, Mar. 1948, alt. 950-1000 m., sunny rocks in rain-forest.

Sticta sulphurea Schaer., Moritz. Verz. 127. 1846.

QUEENSLAND: Mt. Finnegan, west slopes, *Brass 20059*, Sept. 1948, alt. 850 m., on a rotting log in rain-forest.

Sticta sp.

QUEENSLAND: Mt. Finnegan, *Brass 20095*, Sept. 1948, alt. 1100 m., abundant on mossy rocks in high mountain forest.

PARMELIACEAE

Parmelia Ach.

Parmelia latissima Fee forma *sorediata* Nyl., Syn. Meth. 1: 380. 1858.

QUEENSLAND: Tozer Range, north end, *Brass 19369*, June 1948, alt. 300 m., exposed granite rocks on summit.

HYMENOLICHENES

THELEPHORACEAE

Dictyonema Agardh

Dictyonema irpicinum Mont., Ann. Sc. Nat. 10: 119. 1848.

QUEENSLAND: Leo Creek, Upper Nesbit River, *Brass 19958*, Aug. 1948, alt. 420 m., on a mossy log in rain-forest.

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